

## Instructions for Enabling and or Installing Java on your Workstation

The DOI LEARN system requires you to have Java (from Sun Microsystems) installed and enabled on your machine to run online courses. This document explains the steps for checking your system for the Java Virtual Machine, installing it if necessary, enabling it and the reasons for upgrading it if you have the VM version from Microsoft.

### Steps for Checking Internet Explorer to see if Java VM is Enabled

1. Launch your web browser.
2. Click on the **Tools** menu and select **Internet Options** from the drop down list.
3. Click on the **Advanced** tab located on the top of the window.
4. Scroll down the list of configurations to the **Java (Sun)** section. (Figure 1.1)
  - a. If the configuration box beneath it does not contain a checkmark then click the box to enable "Use JRE 1.5.xx for <applet> (requires restart)"
  - b. This section is labeled (requires restart). This means you must restart your browser not your computer after checking the box.
5. If the Java (Sun) section was not found then an appropriate Java Virtual Machine will need to be installed on your computer. To do so, go to [http://java.com/en/download/windows\\_xpi.js](http://java.com/en/download/windows_xpi.js) p, and download Java.

**NOTE:** Government computers may require administrator rights to download Java.

6. If **Java (Sun)** is installed make sure the single box *is* checked under **Java (Sun)**.

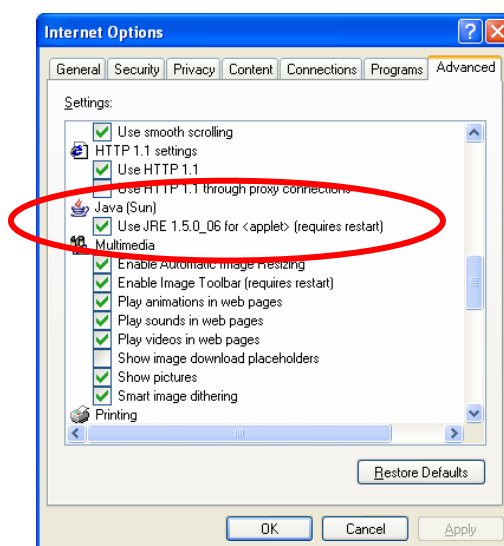


Figure 1.1

7. If you have a section entitled Microsoft VM this is an out of date Java Virtual Machine and you will need to install the Sun Microsystems version. (Figure 1.2) For an explanation about this upgrade see the section below entitled Microsoft VM upgrade FAQs.
8. Click the **OK** button close your browser, re-launch your browser.

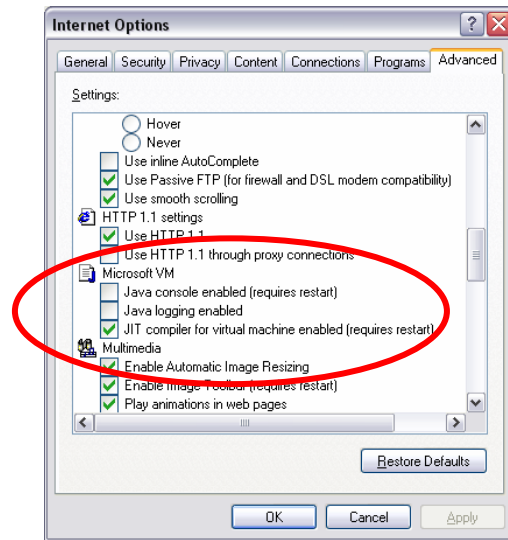


Figure 1.2

## Microsoft VM upgrade FAQs

### What is Microsoft Java Virtual Machine?

The Microsoft Java Virtual Machine (MSJVM) is technology that has been included in some versions of Microsoft Internet Explorer, a component of Microsoft Windows®. This technology allows certain types of programs, called Java applications or Java applets, to run on Windows-based computers.

### Why is the Department not supporting MSJVM?

Due to a settlement agreement between Microsoft and Sun which resolved earlier litigation in January 2001 over the use of Java technology, Microsoft agreed to the phase-out of the MSJVM, including end of support.

Customers are encouraged by Microsoft to identify and eliminate any dependencies on the MSJVM as MSJVM is based upon Java 1.1 technology that is over nine years old, and is outmoded. The Sun Microsystems's JVM, is thoroughly standards compliant and up to date.

### Has Microsoft released any guidance on this change?

Yes, below is an excerpt from Microsoft's press release about MSJVM.

## Microsoft Java Virtual Machine Support

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Customers are encouraged to take proactive measures to stay informed about obsolete software and move away from the MSJVM in a timely fashion. The MSJVM is no longer available for distribution from Microsoft and there will be no enhancements to the MSJVM. Microsoft products and SKUs currently including the MSJVM will continue to be retired or replaced by versions not containing the MSJVM on a schedule to be announced.

Obsolete software, whether in the form of unsupported products, old service packs, or even expired certificates, is an issue every customer needs to be concerned with. Microsoft software life cycle communications help customers identify obsolete software in a proactive and ongoing fashion.